(19) World Intellectual Property Organization

International Bureau



I (CERTE BUILDER) ECONO CONTROL CONTROL

(43) International Publication Date 2 June 2005 (02.06.2005)

PCT

(10) International Publication Number WO 2005/050913 A1

(51) International Patent Classification⁷: H04Q 7/38 H04L 12/14,

(21) International Application Number:

PCT/SE2003/001790

(22) International Filing Date:

19 November 2003 (19.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): TELE-FONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-164 83 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PETERSSON, Justus [SE/SE]; Sankt Paulsgatan 28B, S-118 48 Stockholm (SE). SKOG, Robert [SE/SE]; Gullvivegränd 7, S-165 76 Hässelby (SE).
- (74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; P.O. Box 171 92, S-104 62 STOCKHOLM (SE).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

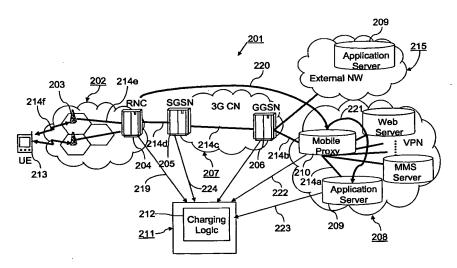
of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ARRANGEMENT AND METHOD FOR DETERMINING CHARGING IN A TELECOMMUNICATIONS SYSTEM



Abstract: The present invention relates to a method and arrangements for determining charging related to a data bit transfer session from a traffic source (209) to a client (213), said bit transfer session involving bit transfer over a wireless communications link (214f) under the control of a radio resource managing unit (204). According to the method of the present invention the radio resource managing unit (204) sends information regarding the bandwidth on the wireless link that the bit transfer session currently is allowed to use to a charging logic (212). This bandwidth information from the radio resource managing unit (204) is used by the charging logic (212) to determine the charging related to the bit transfer session. Thereby a fair charging of the session may be achieved, which is adapted to the quality of service actually obtained by the end-user for the session.